

GenCore version 5.1.3
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OM protein - protein search, using sw model

Run on: December 19, 2002, 15:00:28 ; Search time 146 Seconds
(without alignments)
2503.861 Million cell updates/sec

Title: US-08-813-323B-1

Perfect score: 2994

Sequence: 1 MESSKMDAAGTLPNPPLK.....IKDDTIFIKYIVTSDLPDP 567

Scoring table:

BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 4569144 seqs, 644733110 residues

Total number of hits satisfying chosen parameters: 4569144

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 10%

Database :

Pending_Patents_AA_Main:*

1: /cgn2-6/ptodata/1/paa/PCrus_COMB.pep.*
2: /cgn2-6/ptodata/1/paa/US06_COMB.pep.*
3: /cgn2-6/ptodata/1/paa/US07_COMB.pep.*
4: /cgn2-6/ptodata/1/paa/US08_COMB.pep.*
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6: /cgn2-6/ptodata/1/paa/US082_COMB.pep.*
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27: /cgn2-6/ptodata/1/paa/US60_COMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2994	100.0	567	12 US-08-813-323B-1	Sequence 1, Appl1
2	2994	100.0	567	21 US-09-791-537-60703	Sequence 60703, A
3	2987	99.8	566	12 US-08-813-323A-1	Sequence 1, Appl1
4	2974	99.3	567	21 US-09-791-537-40449	Sequence 40449, A
5	2886.5	96.4	566	12 US-08-813-323A-2	Sequence 2, Appl1
6	2886.5	96.4	566	12 US-08-813-323B-2	Sequence 2, Appl1

7	2886.5	96.4	566	21	US-09-791-537-42127	Sequence 42127, A
8	2886.5	96.4	566	25	US-10-116-275-173	Sequence 173, App
9	2880.5	96.2	568	1	PCT-US02-17382-131	Sequence 131, App
10	2880.5	96.2	568	7	US-08-367-540A-7	Sequence 7, Appl1
11	2880.5	96.2	568	7	US-08-367-540B-7	Sequence 7, Appl1
12	2880.5	96.2	568	7	US-08-367-540C-7	Sequence 7, Appl1
13	2880.5	96.2	568	21	US-09-791-537-84441	Sequence 84441, A
14	2880.5	96.2	568	24	US-10-042-865-166	Sequence 166, App
15	2859	95.5	567	1	PCT-US95-06623-2	Sequence 2, Appl1
16	2859	95.5	567	16	US-08-404-832-2	Sequence 2, Appl1
17	2859	95.5	567	8	US-09-224-555-2	Sequence 2, Appl1
18	2859	95.5	567	20	US-09-645-926A-7	Sequence 2, Appl1
19	2859	95.5	567	21	US-09-791-537-145945	Sequence 145945, A
20	2859	95.5	567	26	US-10-207-655-103	Sequence 103, App
21	2859	95.5	567	26	US-10-242-212-7	Sequence 7, App
22	2718	90.8	543	1	PCT-US02-17382-129	Sequence 129, App
23	2718	90.8	543	21	US-09-791-537-55588	Sequence 5588, Ap
24	2710	90.5	543	21	US-09-757-041-2	Sequence 2, Appl1
25	2710	90.5	543	21	US-09-757-041A-2	Sequence 2, Appl1
26	2610	87.2	861	27	US-60-212-664-479	Sequence 479, App
27	2600	86.8	611	27	US-60-230-435-1071	Sequence 1071, Ap
28	2102.5	70.2	438	1	PCT-US00-06503-2	Sequence 2, Appl1
29	2102.5	70.2	438	23	US-09-950-902-2	Sequence 23, Appl1
30	1825	61.0	398	27	US-60-245-221-86	Sequence 86, Appl
31	1613	53.9	347	1	PCT-US00-06503-4	Sequence 4, Appl1
32	1613	53.9	347	23	US-09-950-902-4	Sequence 4, Appl1
33	1243	41.5	558	15	US-09-170-208-1	Sequence 15, Appl1
34	1243	41.5	558	21	US-09-791-537-40451	Sequence 40451, A
35	1243	41.5	558	24	US-09-791-537-93436	Sequence 93436, A
36	1243	41.5	558	24	US-10-042-865-164	Sequence 164, App
37	1243	41.5	558	24	US-10-042-865-165	Sequence 165, App
38	1189.5	39.7	558	24	US-09-791-537-77702	Sequence 77702, A
39	1189.5	39.7	558	24	US-10-042-865-163	Sequence 163, App
40	1189.5	39.7	557	15	US-09-170-208-4	Sequence 15, App
41	1189.5	39.7	557	21	US-09-791-537-125567	Sequence 125567, A
42	1189.5	39.7	557	24	US-10-042-865-162	Sequence 162, App
43	1180	39.4	568	24	US-10-042-865-38	Sequence 38, Appl
44	1128	37.7	556	24	US-10-042-865-50	Sequence 50, Appl
45	1083	36.2	212	21	US-09-760-466-824	Sequence 824, App

ALIGNMENTS

RESULT 1
US-08-813-323B-1
Sequence 1, Application US/0813323B
GENERAL INFORMATION:
APPLICANT: Baltimore, David
APPLICANT: -Cheng, Genhong
APPLICANT: Ye, Zheng-Sheng
APPLICANT: Lederman, Seth
APPLICANT: Cleary, Aileen
TITLE OF INVENTION: Truncated Craf-1 Inhibits CD40 Signalling
FILE REFERENCE: 0575/50659
CURRENT APPLICATION NUMBER: US/08/813,323B
CURRENT FILING DATE: 2002-06-17
NUMBER OF SEQ ID NOS: 5
SOFTWARE: PatentIn version 3.1
SEQ ID NO 1
LENGTH: 567
TYPE: PRT
ORGANISM: Mouse Sp.
US-08-813-323B-1

Query Match 100.0%; Score 2994; DB 12; Length 567;
Best Local Similarity 100.0%; Pred. No. 6.4e-219;
Matches 567; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MESSKMDAAGTLPNPPLKLPDRAGSVLPVPEGGKYEKFKYVDEKCKECLVLC 60
DB 1 MESSKMDAAGTLPNPPLKLPDRAGSVLPVPEGGKYEKFKYVDEKCKECLVLC 60

Qy	61	NPOTEGHPRCESMALLSSSPKTCACOEIITDKVKNDCCKRELLATLOYRNG	120
Dp	61	NPKOTEGHPRCESMALLSSSPKTCACOEIITDKVKNDCCKRELLATLOYRNG	120
Qy	121	RGCAEOJTLIHLVHLNKECOFELPCRLADCKEKVLRKLDJRHVEKACKYREATCSHCK	180
Dp	121	RGCAEOJTLIHLVHLNKECOFELPCRLADCKEKVLRKLDJRHVEKACKYREATCSHCK	180
Qy	181	SOVMITLOKHEDPDCCVYVASCCHKCSVOTLIRSELSAHLSGCYVAPSCSRKRGCVF	240
Dp	181	SOVMITLOKHEDPDCCVYVASCCHKCSVOTLIRSELSAHLSGCYVAPSCSRKRGCVF	240
Qy	241	OGTNOQIKAHESASSAVOHVNLKEMSNLSKEKVSLLONESEVENKKSIOSLHNOICSEFEIE	300
Dp	241	OGTNOQIKAHESASSAVOHVNLKEMSNLSKEKVSLLONESEVENKKSIOSLHNOICSEFEIE	300
Qy	301	IEROKEMLRNNESKILHLORVYISOQAKLKELDKELPRPFONNEEADSMKSSVESIOLNRY	360
Dp	301	IEROKEMLRNNESKILHLORVYISOQAKLKELDKELPRPFONNEEADSMKSSVESIOLNRY	360
Qy	361	TELESVDKSAGOAARNTGLLESOLSRRHDQTLVYIDIRLADMJLRFVYLETASVNGVLIWK	420
Dp	361	TELESVDKSAGOAARNTGLLESOLSRRHDQTLVYIDIRLADMJLRFVYLETASVNGVLIWK	420
Qy	421	ITROKKRROEVMKRTLSISQPEYTYGFCYKMKARVYLNGDGMGKHTLSLFFVIMRGE	480
Dp	421	ITROKKRROEVMKRTLSISQPEYTYGFCYKMKARVYLNGDGMGKHTLSLFFVIMRGE	480
Qy	481	YDALLPWFKFQKVTILMLDQSSSRHHGDAFKPDPNNSFRKPTGEMNIASGCPVFAQT	540
Dp	481	YDALLPWFKFQKVTILMLDQSSSRHHGDAFKPDPNNSFRKPTGEMNIASGCPVFAQT	540
Qy	541	VLENSTYIKDDTIFIKVLYVPSDLPDP	567
Dp	541	VLENSTYIKDDTIFIKVLYVPSDLPDP	567

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RESULT 2
US-09-791-537-60703
: Sequence 60703, Application US/09791537
: GENERAL INFORMATION:
: APPLICANT: Biocomix, Inc.
: APPLICANT: Debe, Derek
: APPLICANT: Danzer, Joseph
: TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMBERS
: TITLE OF INVENTION: METHODS OF USE THEREOF
: FILE REFERENCE: 261/210
: CURRENT APPLICATION NUMBER: US/09/791,537
: CURRENT FILING DATE: 2001-02-22
: NUMBER OF SEQ ID NOS: 153055
: SOFTWARE: PatentIn version 3.0
: SEQ ID NO 60703
: LENGTH: 567
: TYPE: PRT
: ORGANISM: Mus musculus
US-09-791-537-60703

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Query Match	100.0%	Score	2994	DB 21	length	567			
Best Local Similarity	100.0%	Pred. No.	6.4e-219						
Matches	567	Conservative	0	Mismatches	0	Indels	0	Gaps	0
QY	1	MESKSKMDAAGTLOENPPLKLOPDRGAGSVLPEDGGYKEKEFKVTEVDKCYCEKCRVLVC	60						
Db	1	MESKSKMDAAGTLOENPPLKLOPDRGAGSVLPEDGGYKEKEFKVTEVDKCYCEKCRVLVC	60						
QY	61	NKQTECGHRCFESCSMAALLSSSPKCTAQCESITKDKYFKNCCRELALQYCRNEG	120						
Db	61	NKQTECGHRCFESCSMAALLSSSPKCTAQCESITKDKYFKNCCRELALQYCRNEG	120						
QY	121	RCGACDOLITGLHLLVHLKNCQFEELPCJLRADCKEYLRKDLDDHYEKACKYREATCSHCK	180						
Db	121	RCGACDOLITGLHLLVHLKNCQFEELPCJLRADCKEYLRKDLDDHYEKACKYREATCSHCK	180						

Qy	181	SOMIMKLOKEHDPCVAVSCPHKCSVOTLLRSELTAHLSECVAWPSICSEKRYGVE	240
Db	181	SOVPIRKLOKHEHDPCVAVSCPHKCSVOTLLRSELTAHLSECVAWPSICSEKRYGVE	240
Qy	241	OGTNOOIKAHASSAVOHVNLKEMSNLEKRVSLLOÑESEVENKNSIOSLHNOICSEFE	300
Db	241	OGTNOOIKAHASSAVOHVNLKEMSNLEKRVSLLOÑESEVENKNSIOSLHNOICSEFE	300
Qy	301	IEROKEMIRNNESKTIHLORVYDSQAARKLELDKEITPFROÑNEEADSMKSSVESIOSNRY	360
Db	301	IEROKEMIRNNESKTIHLORVYDSQAARKLELDKEITPFROÑNEEADSMKSSVESIOSNRY	360
Qy	361	TELESVDKSAGOAARNGLTESOLSRHDQTSVHDIRLAMDRLFOVLETAASYNGVLYMK	420
Db	361	TELESVDKSAGOAARNGLTESOLSRHDQTSVHDIRLAMDRLFOVLETAASYNGVLYMK	420
Qy	421	IRDYRRKROEAVMGKTIISLYSQPFYTGFGYKMCARYLNGDGMGKTHLSLFFVIMRGE	480
Db	421	IRDYRRKROEAVMGKTIISLYSQPFYTGFGYKMCARYLNGDGMGKTHLSLFFVIMRGE	480
Qy	481	YDALLPWPFKOKVITLMLDDOSSRRHJGDAFPNPNSSFKKPFGEMNIASGCPVFAOT	540
Db	481	YDALLPWPFKOKVITLMLDDOSSRRHJGDAFPNPNSSFKKPFGEMNIASGCPVFAOT	540
Qy	541	VLENGTYIKDDTIFIKVIVDTSDDPDP	567
Db	541	VLENGTYIKDDTIFIKVIVDTSDDPDP	567

RESULT 3
US-08-813-323A-1
; Sequence 1, Application US/08813323A

```

1  APPLICANT:  Baltimore, David
2
3  APPLICANT:  Cheng, Genhong
4
5  APPLICANT:  Cleary, Aileen
6
7  APPLICANT:  Lederman, Seth
8
9  APPLICANT:  Ye, Zheng-sheng
10
11 TITLE OF INVENTION:  TRUNCATED CRAFT1 INHIBITS CDA0 SIGNALING
12
13 NUMBER OF SEQUENCES:  5
14
15 CORRESPONDENCE ADDRESS:
16
17   ADDRESS:  Cooper & Dunham, LLP
18
19   STREET:   1185 Avenue of the Americas
20
21   CITY:     New York
22
23   STATE:    New York
24
25   COUNTRY:  USA
26
27   ZIP:       10036
28
29 COMPUTER READABLE FORM:
30
31   MEDIUM TYPE:  Floppy disk
32
33   COMPUTER:      IBM PC compatible
34
35   OPERATING SYSTEM:  PC-DOS/MS-DOS
36
37   SOFTWARE:       PatentIn Release #1.0, Version #1.30
38
39 CURRENT APPLICATION DATA:
40
41   APPLICATION NUMBER:  US/08/813,323A
42
43   FILING DATE:
44
45   CLASSIFICATION:  530
46
47 ATTORNEY/AGENT INFORMATION:
48
49   NAME:  White, John P
50
51   REGISTRATION NUMBER:  28,678
52
53   REFERENCE/DOCKET NUMBER:  50659
54
55 TELECOMMUNICATION INFORMATION:
56
57   TELEPHONE:  (212) 278-0400
58
59   TELEFAX:    (212) 391-0525
60
61 INFORMATION FOR SEQ ID NO:  1:
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63   SEQUENCE CHARACTERISTICS:
64
65     LENGTH:  566 amino acids
66
67     TYPE:     amino acid
68
69     STRANDEDNESS:  single
70
71     TOPOLOGY:  linear
72
73     MOLECULE TYPE:  peptide
74
75     FEATURE:
76
77   NAME/KEY:  Peptide
78
79   LOCATION:  1..566

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US-08-813-323A-1

Query Match 99.8%; Score 2987; DB 12; Length 566;
 Best Local Similarity 100.0%; Pred. No. 2,2e-218;
 Matches 566; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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 DB 1 MESSKKMDAGTLPNPPLKQPRGAGSVLPEQGYKEKEFKTVEDKXCEKCRVLVC 60
 QY 61 NPKOTEGHRCFESCMALLSSSPKCTACQESIIRKDKVKNCKCKREILALQVYCRNEG 120
 DB 61 NPKOTEGHRCFESCMALLSSSPKCTACQESIIRKDKVKNCKCKREILALQVYCRNEG 120
 QY 121 RGCAGQLTGLHLVHLKNECOFEELPCLRADCKEVLKRDLDHVEKACKYREATCSHCK 180
 DB 121 RGCAGQLTGLHLVHLKNECOFEELPCLRADCKEVLKRDLDHVEKACKYREATCSHCK 180
 QY 181 SOYPMIKLOKHEDTDCPCVYVSCPHKCSYQTLRLSELSEHLSECVNAPSTCSFKRYGCVF 240
 DB 181 SOYPMIKLOKHEDTDCPCVYVSCPHKCSYQTLRLSELSEHLSECVNAPSTCSFKRYGCVF 240
 QY 241 QGTNOQIKHAHSAVOHNLKEMSNLEKVSLLQNESVEKNKSISQSLHNOICSFETE 300
 DB 241 QGTNOQIKHAHSAVOHNLKEMSNLEKVSLLQNESVEKNKSISQSLHNOICSFETE 300
 QY 301 IEROKEMLRNNESEKILHLQVVIDSOAEKLELDEKIRPFQWNEBDSKMSVSESLQNRV 360
 DB 301 IEROKEMLRNNESEKILHLQVVIDSOAEKLELDEKIRPFQWNEBDSKMSVSESLQNRV 360
 QY 361 TELESVDKSAGQAAARNTGLLESQLSRHQDTLSVHDIRLADMDFRQVLETAASYNGVLIWK 420
 DB 361 TELESVDKSAGQAAARNTGLLESQLSRHQDTLSVHDIRLADMDFRQVLETAASYNGVLIWK 420
 QY 421 IRDYKRRKQEAVMGKTLISYQPFYTGFGYKMCARVYLNDGDKGTHLSLFYIMRGE 480
 DB 421 IRDYKRRKQEAVMGKTLISYQPFYTGFGYKMCARVYLNDGDKGTHLSLFYIMRGE 480
 QY 481 YDALLPMPFKQKVTLMMDQSSRRHLGDAFKPDPNSSFFKPTGEMNIAAGCPVFAQT 540
 DB 481 YDALLPMPFKQKVTLMMDQSSRRHLGDAFKPDPNSSFFKPTGEMNIAAGCPVFAQT 540
 QY 541 VLENGTYIKDDTIFIKYIVDTSDDLDP 566
 DB 541 VLENGTYIKDDTIFIKYIVDTSDDLDP 566

RESULT 4

US-09-791-537-40449
 Sequence 40449, Application US/09791537
 GENERAL INFORMATION:

APPLICANT: Bionomix, Inc.
 APPLICANT: Debe, Derek
 APPLICANT: Danzer, Joseph
 TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMBERS
 FILE REFERENCE: 261/210
 CURRENT APPLICATION NUMBER: US/09/791.537
 NUMBER OF SEQ ID NOS: 2001-02-22
 SOFTWARE: PatentIn version 3.0
 SEQ ID NO 40449
 LENGTH: 567
 TYPE: PRT
 ORGANISM: Mus musculus
 US-09-791-537-40449

Query Match 99.3%; Score 2974; DB 21; Length 567;
 Best Local Similarity 99.5%; Pred. No. 2,2e-217;
 Matches 564; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
 QY 1 MESSKKMDAGTLPNPPLKQPRGAGSVLPEQGYKEKEFKTVEDKXCEKCRVLVC 60
 DB 1 MESSKKMDAGTLPNPPLKQPRGAGSVLPEQGYKEKEFKTVEDKXCEKCRVLVC 60

DB 1 MESSKKMDAGTLPNPPLKQPRGAGSVLPEQGYKEKEFKTVEDKXCEKCRVLVC 60
 QY 61 NPKOTEGHRCFESCMALLSSSPKCTACQESIIRKDKVKNCKCKREILALQVYCRNEG 120
 DB 61 NPKOTEGHRCFESCMALLSSSPKCTACQESIIRKDKVKNCKCKREILALQVYCRNEG 120
 QY 121 RGCAGQLTGLHLVHLKNECOFEELPCLRADCKEVLKRDLDHVEKACKYREATCSHCK 180
 DB 121 RGCAGQLTGLHLVHLKNECOFEELPCLRADCKEVLKRDLDHVEKACKYREATCSHCK 180
 QY 181 SOYPMIKLOKHEDTDCPCVYVSCPHKCSYQTLRLSELSEHLSECVNAPSTCSFKRYGCVF 240
 DB 181 SOYPMIKLOKHEDTDCPCVYVSCPHKCSYQTLRLSELSEHLSECVNAPSTCSFKRYGCVF 240
 QY 241 QGTNOQIKHAHSAVOHNLKEMSNLEKVSLLQNESVEKNKSISQSLHNOICSFETE 300
 DB 241 QGTNOQIKHAHSAVOHNLKEMSNLEKVSLLQNESVEKNKSISQSLHNOICSFETE 300
 QY 301 IEROKEMLRNNESEKILHLQVVIDSOAEKLELDEKIRPFQWNEBDSKMSVSESLQNRV 360
 DB 301 IEROKEMLRNNESEKILHLQVVIDSOAEKLELDEKIRPFQWNEBDSKMSVSESLQNRV 360
 QY 361 TELESVDKSAGQAAARNTGLLESQLSRHQDTLSVHDIRLADMDFRQVLETAASYNGVLIWK 420
 DB 361 TELESVDKSAGQAAARNTGLLESQLSRHQDTLSVHDIRLADMDFRQVLETAASYNGVLIWK 420
 QY 421 IRDYKRRKQEAVMGKTLISYQPFYTGFGYKMCARVYLNDGDKGTHLSLFYIMRGE 480
 DB 421 IRDYKRRKQEAVMGKTLISYQPFYTGFGYKMCARVYLNDGDKGTHLSLFYIMRGE 480
 QY 481 YDALLPMPFKQKVTLMMDQSSRRHLGDAFKPDPNSSFFKPTGEMNIAAGCPVFAQT 540
 DB 481 YDALLPMPFKQKVTLMMDQSSRRHLGDAFKPDPNSSFFKPTGEMNIAAGCPVFAQT 540
 QY 541 VLENGTYIKDDTIFIKYIVDTSDDLDP 567
 DB 541 VLENGTYIKDDTIFIKYIVDTSDDLDP 567

RESULT 5

US-08-813-323A-2
 Sequence 2, Application US/08813323A
 GENERAL INFORMATION:

APPLICANT: Baltimore, David
 APPLICANT: Cheng, Genhong
 APPLICANT: Cleary, Aileen
 APPLICANT: Lederman, Seth
 APPLICANT: Ye, Zheng-sheng
 TITLE OF INVENTION: TRUNCATED CRAF1 INHIBITS CD40 SIGNALING
 NUMBER OF SEQUENCES: 5
 CORRESPONDENCE ADDRESS:

ADDRESSEE: Cooper & Dunham, LLP
 STREET: 1185 Avenue of the Americas
 CITY: New York
 STATE: New York
 COUNTRY: USA
 ZIP: 10036

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/813,323A
 FILING DATE:

CLASSIFICATION: 530
 ATTORNEY/AGENT INFORMATION:
 NAME: White, John P
 REGISTRATION NUMBER: 28,678
 REFERENCE/DOCKET NUMBER: 50659
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 278-0400
 TELEFAX: (212) 391-0525

```

; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 568 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..568
; US-08-813-323A-2

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Query Match 96.4%; Score 2886.5; DB 12; Length 568;

Best Local Similarity 96.1%; Pred. No. 1e-210; Mismatches 14; Indels 1; Gaps 1;

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Matches 546; Conservative 7; Mismatches 14; Indels 1; Gaps 1;

QY 1 MESSKMDAGTLPNPPLKLPDRGAGS-VLVPBOGGYKKEKFKVTEDEKCKEGRVL 59
   1 MESSKMDSPGALQTNPLKLTDRSAGTPVPEOOGYKKEKFKVTEDEKCKEGRVL 60
DB 1 MESSKMDSPGALQTNPLKLTDRSAGTPVPEOOGYKKEKFKVTEDEKCKEGRVL 60

QY 60 CNPKQTEGHRFCESCMALLSSSPKCTACQESIINKDKVFNCKCKRELLAQYTCRNE 119
   61 CSPKQTEGHRFCESCMALLSSSPKCTACQESIINKDKVFNCKCKRELLAQYTCRNE 120
DB 61 CSPKQTEGHRFCESCMALLSSSPKCTACQESIINKDKVFNCKCKRELLAQYTCRNE 120

QY 120 GRGCAEQLTLGHLVHLKNECOFEELPCLRADCKEYLRKDLRDHYEKACKYREATCSHC 179
   121 SRGCAEQLTLGHLVHLKNECOFEELPCVRPDCKEYLRKDLRDHYEKACKYREATCSHC 180
DB 121 SRGCAEQLTLGHLVHLKNECOFEELPCVRPDCKEYLRKDLRDHYEKACKYREATCSHC 180

QY 180 KSOVPMIKLQKHEDTDCPCVVVSCPHKCSVQTLRLSELSAHLSSECVNAPSTCSFKRYGCV 239
   181 KSOVPMIALQKHEDTDCPCVVVSCPHKCSVQTLRLSELSAHLSSECVNAPSTCSFKRYGCV 240
DB 181 KSOVPMIALQKHEDTDCPCVVVSCPHKCSVQTLRLSELSAHLSSECVNAPSTCSFKRYGCV 240

QY 240 FQGTNOQIKAHESASAVOHVNLKEMNSLEKKVSLQNESVEKNKSIOSLHNOICSEFI 299
   241 FQGTNOQIKAHESASAVOHVNLKEMNSLEKKVSLQNESVEKNKSIOSLHNOICSEFI 300
DB 241 FQGTNOQIKAHESASAVOHVNLKEMNSLEKKVSLQNESVEKNKSIOSLHNOICSEFI 300

QY 300 EIERQKEMLRNNESKILHLQRYIDSOAEKLEKELKEIRPRONWEADSMKSSVESLQNR 359
   301 EIERQKEMLRNNESKILHLQRYIDSOAEKLEKELKEIRPRONWEADSMKSSVESLQNR 360
DB 301 EIERQKEMLRNNESKILHLQRYIDSOAEKLEKELKEIRPRONWEADSMKSSVESLQNR 360

QY 360 VTELESVDKSAGQAARNTGLLESQLSRHQDTLSVHDIRLADMRLRFQVLETASYNGVLIV 419
   361 VTELESVDKSAGQAARNTGLLESQLSRHQDTLSVHDIRLADMRLRFQVLETASYNGVLIV 420
DB 361 VTELESVDKSAGQAARNTGLLESQLSRHQDTLSVHDIRLADMRLRFQVLETASYNGVLIV 420

QY 420 KIRDYRRKROEAVMGKTLISYQPFYTGFGYKMCARVYLNGDMGKGTLSLFEVIMRG 479
   421 KIRDYRRKROEAVMGKTLISYQPFYTGFGYKMCARVYLNGDMGKGTLSLFEVIMRG 480
DB 421 KIRDYRRKROEAVMGKTLISYQPFYTGFGYKMCARVYLNGDMGKGTLSLFEVIMRG 480

QY 480 EYDALLPWPFKOKVTLMMDQSSRRHLGDAFKPDPNSSSFKKPTGEMNIIASGCPVFAQ 539
   481 EYDALLPWPFKOKVTLMMDQSSRRHLGDAFKPDPNSSSFKKPTGEMNIIASGCPVFAQ 540
DB 481 EYDALLPWPFKOKVTLMMDQSSRRHLGDAFKPDPNSSSFKKPTGEMNIIASGCPVFAQ 540

QY 540 TVLENGTYIKDDTIFIKVIYDTSLDLDP 567
   541 TVLENGTYIKDDTIFIKVIYDTSLDLDP 568
DB 541 TVLENGTYIKDDTIFIKVIYDTSLDLDP 568

```

RESULT 6

US-08-813-323B-2

```

; Sequence 2, Application US/08813323B
; GENERAL INFORMATION:
; APPLICANT: Baltimore, David
; APPLICANT: Cheng, Genhong
; APPLICANT: Ye, Zheng-Sheng
; APPLICANT: Lederman, Seth
; APPLICANT: Cleary, Aileen
; TITLE OF INVENTION: Truncated Craf-1 Inhibits CD40 Signalling
; FILE REFERENCE: 0575/50659
; CURRENT APPLICATION NUMBER: US/08/813,323B
; CURRENT FILING DATE: 2002-06-17
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2

```

```

; LENGTH: 568
; TYPE: PRT
; ORGANISM: Homo Sapiens
; US-08-813-323B-2

```

Query Match 96.4%; Score 2886.5; DB 12; Length 568;

Best Local Similarity 96.1%; Pred. No. 1e-210; Mismatches 14; Indels 1; Gaps 1;

```

Matches 546; Conservative 7; Mismatches 14; Indels 1; Gaps 1;

QY 1 MESSKMDAGTLPNPPLKLPDRGAGS-VLVPBOGGYKKEKFKVTEDEKCKEGRVL 59
   1 MESSKMDSPGALQTNPLKLTDRSAGTPVPEOOGYKKEKFKVTEDEKCKEGRVL 60
DB 1 MESSKMDSPGALQTNPLKLTDRSAGTPVPEOOGYKKEKFKVTEDEKCKEGRVL 60

QY 60 CNPKQTEGHRFCESCMALLSSSPKCTACQESIINKDKVFNCKCKRELLAQYTCRNE 119
   61 CSPKQTEGHRFCESCMALLSSSPKCTACQESIINKDKVFNCKCKRELLAQYTCRNE 120
DB 61 CSPKQTEGHRFCESCMALLSSSPKCTACQESIINKDKVFNCKCKRELLAQYTCRNE 120

QY 120 GRGCAEQLTLGHLVHLKNECOFEELPCLRADCKEYLRKDLRDHYEKACKYREATCSHC 179
   121 SRGCAEQLTLGHLVHLKNECOFEELPCVRPDCKEYLRKDLRDHYEKACKYREATCSHC 180
DB 121 SRGCAEQLTLGHLVHLKNECOFEELPCVRPDCKEYLRKDLRDHYEKACKYREATCSHC 180

QY 180 KSOVPMIKLQKHEDTDCPCVVVSCPHKCSVQTLRLSELSAHLSSECVNAPSTCSFKRYGCV 239
   181 KSOVPMIALQKHEDTDCPCVVVSCPHKCSVQTLRLSELSAHLSSECVNAPSTCSFKRYGCV 240
DB 181 KSOVPMIALQKHEDTDCPCVVVSCPHKCSVQTLRLSELSAHLSSECVNAPSTCSFKRYGCV 240

QY 240 FQGTNOQIKAHESASAVOHVNLKEMNSLEKKVSLQNESVEKNKSIOSLHNOICSEFI 299
   241 FQGTNOQIKAHESASAVOHVNLKEMNSLEKKVSLQNESVEKNKSIOSLHNOICSEFI 300
DB 241 FQGTNOQIKAHESASAVOHVNLKEMNSLEKKVSLQNESVEKNKSIOSLHNOICSEFI 300

QY 300 EIERQKEMLRNNESKILHLQRYIDSOAEKLEKELKEIRPRONWEADSMKSSVESLQNR 359
   301 EIERQKEMLRNNESKILHLQRYIDSOAEKLEKELKEIRPRONWEADSMKSSVESLQNR 360
DB 301 EIERQKEMLRNNESKILHLQRYIDSOAEKLEKELKEIRPRONWEADSMKSSVESLQNR 360

QY 360 VTELESVDKSAGQAARNTGLLESQLSRHQDTLSVHDIRLADMRLRFQVLETASYNGVLIV 419
   361 VTELESVDKSAGQAARNTGLLESQLSRHQDTLSVHDIRLADMRLRFQVLETASYNGVLIV 420
DB 361 VTELESVDKSAGQAARNTGLLESQLSRHQDTLSVHDIRLADMRLRFQVLETASYNGVLIV 420

QY 420 KIRDYRRKROEAVMGKTLISYQPFYTGFGYKMCARVYLNGDMGKGTLSLFEVIMRG 479
   421 KIRDYRRKROEAVMGKTLISYQPFYTGFGYKMCARVYLNGDMGKGTLSLFEVIMRG 480
DB 421 KIRDYRRKROEAVMGKTLISYQPFYTGFGYKMCARVYLNGDMGKGTLSLFEVIMRG 480

QY 480 EYDALLPWPFKOKVTLMMDQSSRRHLGDAFKPDPNSSSFKKPTGEMNIIASGCPVFAQ 539
   481 EYDALLPWPFKOKVTLMMDQSSRRHLGDAFKPDPNSSSFKKPTGEMNIIASGCPVFAQ 540
DB 481 EYDALLPWPFKOKVTLMMDQSSRRHLGDAFKPDPNSSSFKKPTGEMNIIASGCPVFAQ 540

QY 540 TVLENGTYIKDDTIFIKVIYDTSLDLDP 567
   541 TVLENGTYIKDDTIFIKVIYDTSLDLDP 568
DB 541 TVLENGTYIKDDTIFIKVIYDTSLDLDP 568

```

RESULT 7

US-09-791-537-42127

```

; Sequence 42127, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Biocomix, Inc.
; APPLICANT: Debe, Derek
; APPLICANT: Danzer, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY ME
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 42127
; LENGTH: 568
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-791-537-42127

```

Query Match

96.4%; Score 2886.5; DB 21; Length 568;

Best Local Similarity 96.1%; Pred. No. 1e-210; Mismatches 14; Indels 1; Gaps 1;

OY	60	CNPEQTECBGRPEECMAALLSSSPKCAOESITIKKVKNDCCKREITALOAVCRNE	119
Dd	61	CSPKOTCSCGRPFCECMAALLSSSPKCPACESTIVKKVFNDCCKREITALOIYRNE	120
OY	120	GRCGAEDUTJGHLIYLHNKNECOFEELPCLRAOCKEKVLRKLDLRDHVEACKYREATCSHC	179
Dd	121	SRCGAEDUTJGHLIYLHNKNDCHFEELPCVRPDCKEVLRLKDLDRDHVEACKYREATCSHC	180
OY	180	KSOVPMTKLKHEBDTCPCVYWSCPHKCSVOILLNSELSAHLSECVNAPSTCSKRPGCV	239
Dd	181	KSOVPMTALOKHEBDDTCPVYWSCPHKCSVOILLNSELSAHLSECVNAPSTCSKRPGCV	240
OY	240	FQGTNOOIKAKHAESSAAOVHNLKESNSLEKVSLLONESYEKNKSIOSLHNOICSEFI	299
Dd	241	FQGTNOOIKAKHAESSAAOVHNLKESNSLEKVSLLONESYEKNKSIOSLHNOICSEFI	300
OY	300	EIEROKEMLRNNESKILIHLDORVIDSOAEKLYELDKEIRPEFRONMWEADSMKSSVESLONR	359
Dd	301	EIEROKEMLRNNESKILIHLDORVIDSOAEKLEYELDKEIRPEFRONMWEADSMKSSVESLONR	360
OY	360	VTELESYDKSAGQAARNTGLLESOLSKRHODTUSVHDIRLADMDFRFOYLETASYNGVLIW	419
Dd	361	VTELESYDKSAGQAARNTGLLESOLSKRHODTUSVHDIRLADMDFRFOYLETASYNGVLIW	420
OY	420	KTRDYKRRKROANVGKTLSTXSOPFUYGYGYGMCAARYLVNDGDMKGKTHLSLFVIWRG	479
Dd	421	KTRDYKRRKROANVGKTLSTXSOPFYTGFGYCMCARVILNDGDMKGKTHLSLFVIWRG	480
OY	480	EYDALLPMFPFOKQVTLMIMDGSSRRHLGDAFPPDPNSSFFKKPTGEENIASGCIFYVAO	539
Dd	481	EYDALLPMFPFOKQVTLMIMDGSSRRHLGDAFPPDPNSSFFKKPTGEENIASGCIFYVAO	540
OY	540	TVLENGTYIKDDTIFFIKIYVTSULPPP	567
Dd	541	TVLENGTYIKDDTIFFIKIYVTSULPPP	568

```

RESULT 9
PCT-US02-17382-131
; Sequence 131, Application PC/7US0217382
; GENERAL INFORMATION:
; APPLICANT: EXELIXIS, INC.
; TITLE OF INVENTION: MODIFIERS OF THE P53 PATHWAY AND METHODS OF USE
; FILE REFERENCE: EX02-062
; CURRENT APPLICATION NUMBER: PCT/US02/17382
; CURRENT FILING DATE: 2002-06-05
; PRIOR APPLICATION NUMBER: US 60/296,076
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US 60/328,605
; PRIOR FILING DATE: 2001-10-10
; PRIOR APPLICATION NUMBER: US 60/357,253
; PRIOR FILING DATE: 2002-02-15
; NUMBER OF SEQ ID NOS: 234
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 131
; LENGTH: 568
; TYPE: prt
; ORGANISM: Homo sapiens
; PCT-US02-17382-131

```

[illegible]

```

Db 121 SRGCAEQMLGHLVHLKNDCHFEELPCVRPCKEVLKDLRDHVEAKCKREATCSHC 180
Qy 180 KSOVPMIKLOKHEDTDCPCVYVSCPHKCSVOYTLRLSELSEAHLSVCVNA PSTCSFRRYCV 239
Db 181 KSOVPMIALOKHEDTDCPCVYVSCPHKCSVOYTLRLSELSEAHLSVCVNA PSTCSFRRYCV 240
Qy 240 FOGTNOOIKAHBASSAVQVHNLKEMNSLEKVSILQNESVEKKSIOSLHNOICSEI 299
Db 241 FOGTNOOIKAHBASSAVQVHNLKEMNSLEKVSILQNESVEKKSIOSLHNOICSEI 300
Qy 300 EIEROKEMLRNNEKSLIHLQRYVIDSOAEKLELDEIRPFROMWEADSMKSVESLQNR 359
Db 301 EIEROKEMLRNNEKSLIHLQRYVIDSOAEKLELDEIRPFROMWEADSMKSVESLQNR 360
Qy 360 VTELESVDKSAGQARNTGLLESQLSRHDQTLASVDILAMDRLFOYLETASNGVLIW 419
Db 361 VTELESVDKSAGQARNTGLLESQLSRHDQTLASVDILAMDRLFOYLETASNGVLIW 420
Qy 420 KIRDYKRRKQEAVMGKTLISLVSQPFYGYFGYKMCARVYLLNGDGKGTSLFFVIMRG 479
Db 421 KIRDYKRRKQEAVMGKTLISLVSQPFYGYFGYKMCARVYLLNGDGKGTSLFFVIMRG 480
Qy 480 EYDALLPMPFKOKVTLMMDQSSRRHLGDAFKPDPNSSFFKPTGEMNIASGCPVFAQ 539
Db 481 EYDALLPMPFKOKVTLMMDQSSRRHLGDAFKPDPNSSFFKPTGEMNIASGCPVFAQ 540
Qy 540 TVLENGTYIKDDTIFIKYIVDTSDLPDP 567
Db 541 TVLENGTYIKDDTIFIKYIVDTSDLPDP 568

```

RESULT 10

US-08-367-540A-7

Sequence 7, Application US/08367540A

GENERAL INFORMATION:

APPLICANT: Kieff, Elliott

APPLICANT: Mosialos, George

APPLICANT: Birnenbach, Mark

APPLICANT: Vanarsdale, Todd

APPLICANT: Ware, Carol

APPLICANT: Kaye, Kenneth M.

TITLE OF INVENTION: CONTROLLING TRAF-MEDIATED SIGNALS

NUMBER OF SEQUENCES: 8

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Fish & Richardson P.C.

STREET: 225 Franklin Street

CITY: Boston

STATE: MA

COUNTRY: USA

ZIP: 02110-2804

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: Windows 95

SOFTWARE: FastSeq for Windows Version 2.0b

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/367,540A

FILING DATE: 30-DEC-1994

ATTORNEY/AGENT INFORMATION:

NAME: Freeman, John W.

REGISTRATION NUMBER: 29,066

REFERENCE/DOCKET NUMBER: 05311/014001

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617/542-5070

TELEFAX: 617/542-8906

TELEX: 200154

INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:

LENGTH: 568 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

FRAGMENT TYPE: Internal

US-08-367-540A-7

Query Match 96.2%; Score 2880.5; DB 7; Length 568;

Best Local Similarity 96.0%; Pred. No. 2.9e-210;

Matches 545; Conservative 7; Mismatches 15; Indels 1; Gaps 1;

```

Qy 1 MESSKMDAAGTLQPNPLIKLPDRGAGS-VLVPQGGYKREKRYVEDKCKECLVYL 59
Db 1 MESSKMDSPGALQTPPLKLTHTDSAGTPVFPVPGGGYKREKRYVEDKCKECLVYL 60
Qy 60 CNPKOTEGHRCESOMALLSSSSPKCTACQESTIKRYKNDCKCKREILALQYCRNE 119
Db 61 CSPKOTEGHRCESOMALLSSSSPKCTACQESTIKRYKNDCKCKREILALQYCRNE 120
Qy 120 GRGCAEQMLGHLVHLKNDCHFEELPCVRPCKEVLKDLRDHVEAKCKREATCSHC 179
Db 121 SRGCAEQMLGHLVHLKNDCHFEELPCVRPCKEVLKDLRDHVEAKCKREATCSHC 180
Qy 180 KSOVPMIKLOKHEDTDCPCVYVSCPHKCSVOYTLRLSELSEAHLSVCVNA PSTCSFRRYCV 239
Db 181 KSOVPMIALOKHEDTDCPCVYVSCPHKCSVOYTLRLSELSEAHLSVCVNA PSTCSFRRYCV 240
Qy 240 FOGTNOOIKAHBASSAVQVHNLKEMNSLEKVSILQNESVEKKSIOSLHNOICSEI 299
Db 241 FOGTNOOIKAHBASSAVQVHNLKEMNSLEKVSILQNESVEKKSIOSLHNOICSEI 300
Qy 300 EIEROKEMLRNNEKSLIHLQRYVIDSOAEKLELDEIRPFROMWEADSMKSVESLQNR 359
Db 301 EIEROKEMLRNNEKSLIHLQRYVIDSOAEKLELDEIRPFROMWEADSMKSVESLQNR 360
Qy 360 VTELESVDKSAGQARNTGLLESQLSRHDQTLASVDILAMDRLFOYLETASNGVLIW 419
Db 361 VTELESVDKSAGQARNTGLLESQLSRHDQTLASVDILAMDRLFOYLETASNGVLIW 420
Qy 420 KIRDYKRRKQEAVMGKTLISLVSQPFYGYFGYKMCARVYLLNGDGKGTSLFFVIMRG 479
Db 421 KIRDYKRRKQEAVMGKTLISLVSQPFYGYFGYKMCARVYLLNGDGKGTSLFFVIMRG 480
Qy 480 EYDALLPMPFKOKVTLMMDQSSRRHLGDAFKPDPNSSFFKPTGEMNIASGCPVFAQ 539
Db 481 EYDALLPMPFKOKVTLMMDQSSRRHLGDAFKPDPNSSFFKPTGEMNIASGCPVFAQ 540
Qy 540 TVLENGTYIKDDTIFIKYIVDTSDLPDP 567
Db 541 TVLENGTYIKDDTIFIKYIVDTSDLPDP 568

```

RESULT 11

US-08-367-540B-7

Sequence 7, Application US/08367540B

GENERAL INFORMATION:

APPLICANT: Kieff, Elliott

APPLICANT: Mosialos, George

APPLICANT: Birnenbach, Mark

APPLICANT: Vanarsdale, Todd

APPLICANT: Ware, Carol

APPLICANT: Kaye, Kenneth M.

TITLE OF INVENTION: CONTROLLING TRAF-MEDIATED SIGNALS

NUMBER OF SEQUENCES: 21

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Fish & Richardson P.C.

STREET: 225 Franklin Street

CITY: Boston

STATE: MA

COUNTRY: USA

ZIP: 02110-2804

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: Windows 95

SOFTWARE: FastSeq for Windows Version 2.0b

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/367,540B
 FILING DATE: 30-DEC-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Freeman, John W.
 REGISTRATION NUMBER: 29,066
 REFERENCE/DOCKET NUMBER: 05311/014001
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 617/542-5070
 TELEFAX: 617/542-8906
 TELEX: 200154
 INFORMATION FOR SEQ ID NO: 7:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 568 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 FRAGMENT TYPE: internal
 US-08-367-540B-7

Query Match 96.2%; Score 2880.5; DB 7; Length 568;
 Best Local Similarity 96.0%; Pred. No. 2.9e-210;
 Matches 545; Conservative 7; Mismatches 15; Indels 1; Gaps 1;

QY 1 MESSKKMDAAGTLPNPPLKLPDRGAGS-VLVPBGSGYKKEFYKVEDKYYKCEKRLYL 59
 DB 1 MESSKKMDSPGALQTNPLKLTDRSAGTPVFPBGSGYKKEFYKVEDKYYKCEKCHLYL 60
 QY 60 CNPKQTEGCHRCESCMALLSSSSPKCTACQESIIRKDKVFNCKCKREILALQVYCRNE 119
 DB 61 CSPKQTEGCHRCESCMALLSSSSPKCTACQESIIRKDKVFNCKCKREILALQVYCRNE 120
 QY 120 GRCGCAQLTLGHLVHLKNECFEELPCRLADCKEYLRKDLRDHVEKACKYREATCSHC 179
 DB 121 SRGCAQLMLGHLVHLKNDCHFEEPCVRPCKEYLRKDLRDHVEKACKYREATCSHC 180
 QY 180 KSOVPIMIKLOKHEDTDCPCVVVSCPHKCSVQTLRSELSEHLSECVNAPSTCSFRYGCY 239
 DB 181 KSOVPIMIALOKHEDTDCPCVVVSCPHKCSVQTLRSELSEHLSECVNAPSTCSFRYGCY 240
 QY 240 FQGTNOQIKAHESASAVOHVNLKEMSNLEKKVSLDNESEYKKSQSIQSHNOICSEI 299
 DB 241 FQGTNOQIKAHESASAVOHVNLKEMSNLEKKVSLDNESEYKKSQSIQSHNOICSEI 300
 QY 300 EIRROKEMLRNNEKSLIHLQRYIDSOAEKLEKELDIRPFRONWEADSMKSVESLQNR 359
 DB 301 EIRROKEMLRNNEKSLIHLQRYIDSOAEKLEKELDIRPFRONWEADSMKSVESLQNR 360
 QY 360 VTELESYDKSAGAAARNTGLLESQLSRHDQTLVHDIRLADMDLRFQVLETAASYNGVLIW 419
 DB 361 VTELESYDKSAGAAARNTGLLESQLSRHDQTLVHDIRLADMDLRFQVLETAASYNGVLIW 420
 QY 420 KIRDYKRRKOEAVMGKTLISYQPFYTGFGYKMCARVYLNDDGKGKTHLSLFVYIRNG 479
 DB 421 KIRDYKRRKOEAVMGKTLISYQPFYTGFGYKMCARVYLNDDGKGKTHLSLFVYIRNG 480
 QY 480 EYDALLPMPKQVYTLMLMDQSSRRHLGDAFDPDNSSSFKKPTGEMNIIASGCVFVAAQ 539
 DB 481 EYDALLPMPKQVYTLMLMDQSSRRHLGDAFDPDNSSSFKKPTGEMNIIASGCVFVAAQ 540
 QY 540 TVLENGTYIKDDTIFIKIVIDTSDLPDP 567
 DB 541 TVLENGTYIKDDTIFIKIVIDTSDLPDP 568

RESULT 12
 US-08-367-540C-7
 Sequence 7, Application US/08367540C
 GENERAL INFORMATION:
 APPLICANT: Kieff, Elliott
 APPLICANT: Mosialos, George
 APPLICANT: Blithendach, Mark
 APPLICANT: Vanaresdale, Todd
 APPLICANT: Ware, Carol

APPLICANT: Kaye, Kenneth M.
 TITLE OF INVENTION: CONTROLLING TRAF-MEDIATED SIGNALS
 NUMBER OF SEQUENCES: 21
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Fish & Richardson P.C.
 STREET: 225 Franklin Street
 CITY: Boston
 STATE: MA
 COUNTRY: USA
 ZIP: 02110-2804
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: Windows 95
 SOFTWARE: FastSeq for Windows Version 2.0b
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/367,540C
 FILING DATE: 30-DEC-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Freeman, John W.
 REGISTRATION NUMBER: 29,066
 REFERENCE/DOCKET NUMBER: 05311/014001
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 617/542-5070
 TELEFAX: 617/542-8906
 TELEX: 200154
 INFORMATION FOR SEQ ID NO: 7:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 568 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 FRAGMENT TYPE: internal
 US-08-367-540C-7

Query Match 96.2%; Score 2880.5; DB 7; Length 568;
 Best Local Similarity 96.0%; Pred. No. 2.9e-210;
 Matches 545; Conservative 7; Mismatches 15; Indels 1; Gaps 1;

QY 1 MESSKKMDAAGTLPNPPLKLPDRGAGS-VLVPBGSGYKKEFYKVEDKYYKCEKRLYL 59
 DB 1 MESSKKMDSPGALQTNPLKLTDRSAGTPVFPBGSGYKKEFYKVEDKYYKCEKCHLYL 60
 QY 60 CNPKQTEGCHRCESCMALLSSSSPKCTACQESIIRKDKVFNCKCKREILALQVYCRNE 119
 DB 61 CSPKQTEGCHRCESCMALLSSSSPKCTACQESIIRKDKVFNCKCKREILALQVYCRNE 120
 QY 120 GRCGCAQLTLGHLVHLKNECFEELPCRLADCKEYLRKDLRDHVEKACKYREATCSHC 179
 DB 121 SRGCAQLMLGHLVHLKNDCHFEEPCVRPCKEYLRKDLRDHVEKACKYREATCSHC 180
 QY 180 KSOVPIMIKLOKHEDTDCPCVVVSCPHKCSVQTLRSELSEHLSECVNAPSTCSFRYGCY 239
 DB 181 KSOVPIMIALOKHEDTDCPCVVVSCPHKCSVQTLRSELSEHLSECVNAPSTCSFRYGCY 240
 QY 240 FQGTNOQIKAHESASAVOHVNLKEMSNLEKKVSLDNESEYKKSQSIQSHNOICSEI 299
 DB 241 FQGTNOQIKAHESASAVOHVNLKEMSNLEKKVSLDNESEYKKSQSIQSHNOICSEI 300
 QY 300 EIRROKEMLRNNEKSLIHLQRYIDSOAEKLEKELDIRPFRONWEADSMKSVESLQNR 359
 DB 301 EIRROKEMLRNNEKSLIHLQRYIDSOAEKLEKELDIRPFRONWEADSMKSVESLQNR 360
 QY 360 VTELESYDKSAGAAARNTGLLESQLSRHDQTLVHDIRLADMDLRFQVLETAASYNGVLIW 419
 DB 361 VTELESYDKSAGAAARNTGLLESQLSRHDQTLVHDIRLADMDLRFQVLETAASYNGVLIW 420
 QY 420 KIRDYKRRKOEAVMGKTLISYQPFYTGFGYKMCARVYLNDDGKGKTHLSLFVYIRNG 479
 DB 421 KIRDYKRRKOEAVMGKTLISYQPFYTGFGYKMCARVYLNDDGKGKTHLSLFVYIRNG 480
 QY 480 EYDALLPMPKQVYTLMLMDQSSRRHLGDAFDPDNSSSFKKPTGEMNIIASGCVFVAAQ 539
 DB 481 EYDALLPMPKQVYTLMLMDQSSRRHLGDAFDPDNSSSFKKPTGEMNIIASGCVFVAAQ 540

Db 481 EYDALLPMPFKQKVTLMMDQSSRRHLGDAFKDPDNSSFFKPTGEMNIASGCPVFAO 540
 QY 540 TVLENGTYIKDDPTFIKVIYDTSDDLDP 567
 Db 541 TVLENGTYIKDDPTFIKVIYDTSDDLDP 568

RESULT 13

US-09-791-537-84441
 ; Sequence 84441, Application US/09791537
 ; GENERAL INFORMATION:
 ; APPLICANT: Bionomix, Inc.
 ; APPLICANT: Debe, Derek
 ; APPLICANT: Danzer, Joseph
 ; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMB
 ; TITLE OF INVENTION: METHODS OF USE THEREOF
 ; FILE REFERENCE: 261/210
 ; CURRENT APPLICATION NUMBER: US/09/791,537
 ; NUMBER OF SEQ ID NOS: 2001-02-22
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 84441
 ; LENGTH: 568
 ; TYPE: PRP
 ; ORGANISM: Homo sapiens
 US-09-791-537-84441

Query Match 96.2%; Score 2880.5; DB 21; Length 568;
 Best Local Similarity 96.0%; Pred. No. 2.9e-210;
 Matches 545; Conservative 7; Mismatches 15; Indels 1; Gaps 1;

QY 1 MESSKMDAAGTLQPNPLKLPDRGAGS-VLVPDGGYKKEKFKVTEDEKCKECLVYL 59
 Db 1 MESSKMDSPGALQTNPLKLTDRSAGTPVFPDGGYKKEKFKVTEDEKCKECLVYL 60
 QY 60 CNPKQTECHGRFCESCMALSSSSPKCTACQESTIKKVKYKDKCKREILALQYCRNE 119
 Db 61 CSPKQTECHGRFCESCMALSSSSPKCTACQESTIVKDKYKDKCKREILALQYCRNE 120
 QY 120 GRGCAEQLTLGHLVHLKNECOFEELPCLRADCKEKLRLDVRHVEKACKYREATCSHC 179
 Db 121 SRGCAEQLTLGHLVHLKNECHFEELPCVRPDCKEKVLRLDVRHVEKACKYREATCSHC 180
 QY 180 KSOVPMIKLOKHEDTDCVAVVSCPHKCSVOTLLRSELSAHLSECVAAPSTCSFKRYGCV 239
 Db 181 KSOVPMIALOKHEDTDCVAVVSCPHKCSVOTLLRSELSAHLSECVAAPSTCSFKRYGCV 240
 QY 240 FQGTNOQIKAHESAVQHVNLKEMNSLEKYSLLQNESVEKNSIOSLHNOICSEFI 299
 Db 241 FQGTNOQIKAHESAVQHVNLKEMNSLEKYSLLQNESVEKNSIOSLHNOICSEFI 300
 QY 300 EIEROKEMLRNNEKILHLQVIDSQAELKELDKELRPPRQWWEADSMKSSVESLQNR 359
 Db 301 EIEROKEMLRNNEKILHLQVIDSQAELKELDKELRPPRQWWEADSMKSSVESLQNR 360
 QY 360 VTELESYDKSAGQAAARTGLESQLSRRDOTLSVHDIRLADMDLRFQVLETATYNGVLLM 419
 Db 361 VTELESYDKSAGQAAARTGLESQLSRRDOTLSVHDIRLADMDLRFQVLETATYNGVLLM 420
 QY 420 KIRDYKRRKQAVNGKTLISYQPFYTGFGYKMCARVYLNGDGKSGTILSLFFYIMG 479
 Db 421 KIRDYKRRKQAVNGKTLISYQPFYTGFGYKMCARVYLNGDGKSGTILSLFFYIMG 480
 QY 480 EYDALLPMPFKQKVTLMMDQSSRRHLGDAFKDPDNSSFFKPTGEMNIASGCPVFAO 539
 Db 481 EYDALLPMPFKQKVTLMMDQSSRRHLGDAFKDPDNSSFFKPTGEMNIASGCPVFAO 540
 QY 540 TVLENGTYIKDDPTFIKVIYDTSDDLDP 567
 Db 541 TVLENGTYIKDDPTFIKVIYDTSDDLDP 568

RESULT 14

US-10-042-865-166
 ; Sequence 166, Application US/10042865
 ; GENERAL INFORMATION:
 ; APPLICANT: Padigar, Muralidhara
 ; APPLICANT: Li, Li
 ; APPLICANT: Zernhusen, Bryan D
 ; APPLICANT: Casman, Stacie J
 ; APPLICANT: Shenoy, Suresh G
 ; APPLICANT: Splet, Kimberly
 ; APPLICANT: Zhong, Mei
 ; APPLICANT: Gangoli, Esha A
 ; APPLICANT: Burgess, Catherine E
 ; APPLICANT: Paturajan, Meera
 ; APPLICANT: Vernet, Corine A.M
 ; APPLICANT: Taylor, Sarah
 ; APPLICANT: Tchernev, Velizar T
 ; APPLICANT: Miller, Charles E
 ; APPLICANT: Guo, Xiaojia
 ; APPLICANT: Boldog, Renace L
 ; APPLICANT: Grosse, William M
 ; APPLICANT: Alsobrook II, John P
 ; APPLICANT: Gerlach, Valerie L
 ; APPLICANT: Edinger, Shlomit R
 ; APPLICANT: Rothenberg, Mark E
 ; APPLICANT: Ellerman, Karen
 ; APPLICANT: MacDougall, John
 ; APPLICANT: Malyankar, Uriel M
 ; APPLICANT: Millet, Isabelle
 ; APPLICANT: Peyman, John
 ; APPLICANT: Smithson, Glenda
 ; APPLICANT: Gunther, Erik
 ; APPLICANT: Stone, David
 ; TITLE OF INVENTION: Proteins, Polynucleotides Encoding Them and Methods of
 ; TITLE OF INVENTION: Using the Same
 ; FILE REFERENCE: 21402-537
 ; CURRENT APPLICATION NUMBER: US/10/042,865
 ; CURRENT FILING DATE: 2002-05-17
 ; PRIOR APPLICATION NUMBER: 60/260,417
 ; PRIOR FILING DATE: 2001-01-09
 ; PRIOR APPLICATION NUMBER: 60/260,831
 ; PRIOR FILING DATE: 2001-01-10
 ; PRIOR APPLICATION NUMBER: 60/272,338
 ; PRIOR FILING DATE: 2001-02-28
 ; PRIOR APPLICATION NUMBER: 60/274,876
 ; PRIOR FILING DATE: 2001-03-09
 ; PRIOR APPLICATION NUMBER: 60/284,704
 ; PRIOR FILING DATE: 2001-04-18
 ; NUMBER OF SEQ ID NOS: 264
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 166
 ; LENGTH: 568
 ; TYPE: PRP
 ; ORGANISM: Homo sapiens
 US-10-042-865-166

Query Match 96.2%; Score 2880.5; DB 24; Length 568;
 Best Local Similarity 96.0%; Pred. No. 2.9e-210;
 Matches 545; Conservative 7; Mismatches 15; Indels 1; Gaps 1;

QY 1 MESSKMDAAGTLQPNPLKLPDRGAGS-VLVPDGGYKKEKFKVTEDEKCKECLVYL 59
 Db 1 MESSKMDSPGALQTNPLKLTDRSAGTPVFPDGGYKKEKFKVTEDEKCKECLVYL 60
 QY 60 CNPKQTECHGRFCESCMALSSSSPKCTACQESTIKKVKYKDKCKREILALQYCRNE 119
 Db 61 CSPKQTECHGRFCESCMALSSSSPKCTACQESTIVKDKYKDKCKREILALQYCRNE 120
 QY 120 GRGCAEQLTLGHLVHLKNECOFEELPCLRADCKEKLRLDVRHVEKACKYREATCSHC 179
 Db 121 SRGCAEQLTLGHLVHLKNECHFEELPCVRPDCKEKVLRLDVRHVEKACKYREATCSHC 180
 QY 180 KSOVPMIKLOKHEDTDCVAVVSCPHKCSVOTLLRSELSAHLSECVAAPSTCSFKRYGCV 239

RESULT 15
PCT-US95-06623-2

Sequence 2, Application PC/TUS9506623

GENERAL INFORMATION:

APPLICANT: THE REGENTS OF THE UNIVERSITY OF MICHIGAN

TITLE OF INVENTION: CD40 BINDING COMPOSITIONS AND METHODS OF USE

TITLE OF INVENTION: USING SAME
NUMBER OF COLUMNS AS

[illegible]

CORRESPONDENCE ADDRESS:

ADDRESSEE: MORRISON & FOERSTER

STREET: 755 Page Mill Road

CITY: Palo Alto

STATE: California

COUNTRY: USA

ZIP: 94304-1018

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:
 ; CURRENT RELEASE #1.0, V

APPLICATION NUMBER: PCT/US95/066233

REGISTRATION NUMBER: PCI/US95/06623

CLASSIFICATION:

CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:

NAME: KONSKI, ANTOINETTE ;
ALLORNEY/AGENT INFORMATION:

NAME: KUNSKI, ANTOINETTE F.
REGISTRATION NUMBER: 34.202

REGISTRATION NUMBER: 34,202
REFERENCE/DOCKET NUMBER: 203442102540

REFERENCE/DOCKET NUMBER: 20
TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 813-5600

TELEPHONE: (415) 813-5600
TELEFAX: (415) 494-0792

TELEFAX: (415) 494-0792
TELEX: 706141

TELEX: 706141
INFORMATION FOR SEN TD NO. 2

```

; INFORMATION FOR SEQ ID NO: 2
:
: SEQUENCE CHARACTERISTICS:

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SEQUENCE CHARACTERISTICS:
LENGTH: 567 amino acids

LENGTH: 567 amino acids
TYPE: amino acid

TYPE: amino acid
TOPOLOGY: 1 trans

MOLECULE TYPE: PROTEIN

MOLECULE TYPE: protein

PCIT-US95-06623-2

Query Match	95.5%;	Score 2859;	DB 1;	Length 567;
Best local similarity	95.5%;	Score 2859;	DB 1;	Length 567;

Best Local Similarity 95.6%; Pred. No. 1.3e-208;

Matches	543;	Conservative	7;	Mismatches	16;	Indels	2;	Gaps	2;
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2/	gaps	2/	insects	2/	concentrations
1					

1 MESSKKMDAGTLPNPPLKLPDRGAGS-VLVEGGYKKEKFKTVEDKYYKCEKRLVL 59

[illegible]

Db	1	MESSKKMDSBGLQTNPRLKLTHTDBSAGIPVVPVPOGGKKEKFTVYEDKKCECHLVL	60
Qy	60	CNPKOEGCHRECECECMALLSSSSPKCTACOEITDKVKFKNDCCKREITALOYCRNE	114
Db	61	CSKQTEGCHRECECECMALLSSSSPKCTACOEISYVKRKFVKNDCCKREITALOICYRNE	120
Qy	120	GRGCAEQLTLGHLVHLKNECOFEEPLPCLRADCKEYLRKDLRHHVEKACKYREATCSHC	178
Db	121	SRGCAEQLTLGHLVHLKNDCHFEELPCVRRPCKCKYLRKDLRHHVEKACKYREATCSHC	179
Qy	180	KSOYMIKLQKHEDPDCVYVSCCHKCSQVOTLRSSELSAHLSECYNAPSTCSFKRYGCV	235
Db	180	KSOYMIALQKHEDPDCVYVSCCHKCSQVOTLRSSELSAHLSSECYNAPSTCSFKRYGCV	238
Qy	240	FOGTNOQIKAEHASSAVOHNILKEMSNLSLEKYSILONESEVENKSTIOSIHNQCSFEI	299
Db	240	FOGTNOQIKAEHASSAVOHNILKEMSNLSLEKYSILONESEVENKSTIOSIHNQCSFEI	299
Qy	300	EIERKEMKLNNESITLHLQRYVIDSOAEKLELDEKIEIRPFQONNEADSMKSVSYESLQNR	355
Db	300	EIERKEMKLNNESITLHLQRYVIDSOAEKLELDEKIEIRPFQONNEADSMKSVSYESLQNR	355
Qy	360	VTELESYVKSAGQARNTGLLSESOLSRHDQTSYHDIRLADMDLRPOVLETAASYNGVLW	419
Db	360	VTELESYVKSAGQARNTGLLSESOLSRHDQTSYHDIRLADMDLRPOVLETAASYNGVLW	419
Qy	420	KIRDYKRRKQCAVNGKTLISLYSQPPYTGFGYKMCARVYLNGDGMKGTHLSLFEVIMRG	479
Db	420	KIRDYKRRKQCAVNGKTLISLYSQPPYTGFGYKMCARVYLNGDGMKGTHLSLFEVIMRG	479
Qy	480	EYDALLPPEFQKQVTLMIMDQSSRRHILGDAFKRDPNMSSEKPKRTGEMNITASGCPVYVAQ	539
Db	480	EYDALLPPEFQKQVTLMIMDQSSRRHILGDAFKRDPNMSSEKPKRTGEMNITASGCPVYVAQ	539
Qy	540	TVLENGYIKQDITFIYIVYDTSLDDP	567
Db	540	TVLENGYIKQDITFIYIVYDTSLDDP	567

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Search completed: December 19, 2002, 15:04:54
Job time : 148 secs
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